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EXAMINER

LEE, BENNY T

ART UNIT	PAPER NUMBER
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2817

DATE MAILED: 09/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Art Unit: 2817

The disclosure is objected to because of the following informalities: Page 8, lines 10, 12, note that --(x3)-- should be inserted after "times-three" for consistency with the drawing figure; line 14, similarly --(1/4)-- should follow "divide-by-four" for consistency. Page 9, line 1, note that "the" (second occ.) Should be deleted. Page 11, line 8, note that --(see Fig. 3)-- should follow "31" for consistency with the drawing figures; lines 10, 15, note that --as shown in Fig. 3-- should follow "other" and "bottom", respectively; line 19, note that --(see Figs. 2, 3)-- should follow "36"; line 26, note that --(see Figs. 1, 3)-- should follow "37". Page 12, line 4, note that --(see Figs. 5, 6)-- should follow "38" and --(see Figs. 4, 5)-- should follow "39", respectively. In the replacement paragraph to page 12, line 20, second and sixth lines therein, --(see Figs. 5, 6)-- should follow "41" and "42", respectively; fifth, seventh and tenth lines therein, --of Fig. 11-- should follow (3, 26, 25) respectively; tenth and fourteenth lines therein, --as shown in Figs. 5, 6-- should follow "43" and "bonding", respectively. In the replacement paragraph to page 13, line 13, first line therein, --(see Figs. 4, 5)-- should follow "33"; first and fifth lines therein; --(see Fig. 4)-- should follow "33a" and "31", respectively; sixth line therein, --(see Fig. 5)-- should follow "44". Page 15, line 10 and page 16, lines 8, 10, note that --of Fig. 11-- should follow (3, 2, 3), respectively. Page 16, lines 9, 11, note that --as shown in Fig. 2-- should follow "30" and "32", respectively; line 13, note that --as shown in Fig. 9-- should follow "40".

Appropriate correction is required.

The disclosure is objected to because of the following informalities: Note that the following reference labels appearing in the corresponding drawings need explicit description in

Art Unit: 2817

the specification's description of such drawings: fig. 1 (33, 35a, 47); fig. 2 (35a); Fig. 3 (33a, 35a, 39, 40, 47); Fig. 7 (32, 33, 34, 40); Fig. 8 (32, 33a, 34); Fig. 12 (47).

Appropriate correction is required.

The drawings are objected to because of the following: In Fig. 7, reference label --33a-- needs to be provided; In Fig. 10, reference label --30a-- needs to be provided; In Fig. 10, reference label --30a-- needs to be provided; In Fig. 11, for reference label "19", note that --X-TAL-- should be associated therewith as per page 9 of the specification; In Fig. 12, note that it is unclear whether the lead line for reference label "49" is directed towards the correct feature? A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claims 11-13 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Note that the original specification does not appear to have disclosed the sub-casing has a protrusion disposed in the opening such as to not contact the main casing. Accordingly, such a limitation has been treated as "new matter".

Art Unit: 2817

However, if applicant does not believe the above limitation is "new matter", then an appropriate explanation is needed including pointing out where support for the limitation is explicitly found in the original disclosure.

Claims 4, 9, 10, 14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 4, note that it is unclear whether the limitations recited herein (i.e. corresponding to the Fig. 12 embodiment) can properly depend from the embodiment of claim 1 having a cut-out in one of the sidewalls and grooves in both the main casing and sub-casing. Clarification is needed.

In claim 9, note that it is unclear whether the "radiation plate" can properly be characterized as to being sized to fit inside the cut-out. Note from Fig. 7, that only the protrusion portion (33a) fits "inside the cut-out". Clarification is needed.

In claim 14, note that it is unclear what characterizes "a support". Even in light of the specification, ^{the scope of} this limitation can not be ascertained.

The following claims have been found objectionable for reasons set forth below:

In claims 1, 4, 13, 14, note that "formed" should be rewritten as --disposed-- at each occurrence.

In claim 10, line 3, note that --said adhesive-- should precede "radiation sheet" for consistency of description.

Art Unit: 2817

In claim 11, note that "whose end" should be rephrased for clarity.

Claims 4, 9-15 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

Claims 1, 3, 7, 8, 15, 16 are allowed.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication should be directed to Benny Lee at telephone number 308-4902.



Lee/ek

BENNY T. LEE
PRIMARY EXAMINER
ART UNIT 2817

09/26/03